

Appl. No. 10/889,409  
Reply to Office Action of December 12, 2006

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3/5/07

**Amendments to the Claims:**

This listing of claims replaces all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method of enhancing the quality of a new digital image comprising:
  - receiving a reference digital image;
  - receiving a degraded version of the reference digital image;
  - deconvolving the reference digital image with the degraded version of the reference digital image to form an enhancement function;
  - storing a plurality of enhancement functions to a storage device;
  - indexing each of the plurality of enhancement functions according to the degree of degradation of the degraded version of the reference digital image utilized to form the enhancement function;
  - receiving the new digital image;
  - determining the degree of degradation of the new digital image;
  - selecting a stored enhancement function having an index corresponding to a degree of degradation that of the new digital image;
  - applying the stored enhancement function to the new digital image to form an enhanced digital image; and
  - making available the enhanced digital image.